

CLAIMS

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B1
5 1. A mobile station capable of calculating a current position by position calculation using radio wave, said mobile station comprising:

a signal receiver for receiving radio wave;

a position calculator for calculating the current position from a result of reception provided by the signal receiver;

10 means for target position input for inputting a position constituting a target;

a target position holder for holding the target position inputted from the means for target position input;

15 a position comparator for comparing the current position of the mobile station calculated by the position calculator with the target position held at the target position holder;

an application operated to a user based on a result of comparison of the position comparator; and

20 an application controller for controlling operation of the application by using the result of position comparison by the position comparator.

2. A mobile station capable of calculating a current position by position calculation using radio wave, said mobile station comprising:

25 a signal receiver for receiving radio wave;

a position calculator for calculating the current position from a result of reception provided by the signal receiver;

means for target position input for inputting a position constituting a target;

a target position holder for holding the target position inputted from the means for target position input;

a position comparator for comparing the current position of the mobile station calculated by the position calculator with the target position held at the target position holder;

a vibration generator for vibrating the mobile station based on a result of comparison of the position comparator; and

a vibration controller for controlling generation and abeyance of vibration of the vibration generator by using the result of position comparison by the position comparator.

3. A mobile station capable of calculating a current position by position calculation using radio wave, said mobile station comprising:

a signal receiver for receiving radio wave;

a position calculator for calculating the current position from a result of reception provided by the signal receiver;

means for target position input for inputting a position constituting a target;

a target position holder for holding the target position

inputted from the means for target position input;

a position comparator for comparing the current position of the mobile station calculated by the position calculator with the target position held at the target position holder;

5 an alarm generator for generating an alarm from the mobile station based on a result of comparison of the position comparator; and

10 an alarm controller for controlling generation and abeyance of the alarm of the alarm generator by using the result of position comparison by the position comparator.

4. A mobile station capable of calculating a current position by position calculation using radio wave, said mobile station comprising:

a signal receiver for receiving radio wave;

15 a position calculator for calculating the current position from a result of reception provided by the signal receiver;

means for target position input for inputting a position constituting a target;

20 a target position holder for holding the target position inputted from the means for target position input;

a position comparator for comparing the current position of the mobile station calculated by the position calculator with the target position held at the target position holder;

25 means for making a telephone call for making a telephone

call based on a result of comparison of the position comparator;

a telephone number holder for holding a telephone number of a message destination used in making the telephone call by the means for making a telephone call;

5 a telephone message holder for holding a message transmitted after making the telephone call; and

an application controller for controlling to make the telephone call by the means for making a telephone call by using the result of position comparison by the position comparator.

10 Sub D2 5. A mobile station capable of calculating a current position by position calculation using radio wave, said mobile station comprising:

a signal receiver for receiving radio wave;

15 a position calculator for calculating the current position from a result of reception provided by the signal receiver;

means for target position input for inputting a position constituting a target;

20 a target position holder for holding the target position inputted from the means for target position input;

a position comparator for comparing the current position of the mobile station calculated by the position calculator with the target position held at the target position holder;

25 a switch of ringer for making on or off of a ringer when there is telephone signal arrival at the mobile station based

on a result of comparison of the position comparator; and
a ringer controller for controlling switching operation
of the switch of ringer by using the result of position
comparison by the position comparator.

5 6. A mobile station capable of calculating a current
position by position calculation using radio wave, said mobile
station comprising:

a signal receiver for receiving radio wave;

10 a position calculator for calculating the current
position from a result of reception provided by the signal
receiver;

means for target position input for inputting a position
constituting a target;

15 a target position holder for holding the target position
inputted from the means for target position input;

a position comparator for comparing the current position
of the mobile station calculated by the position calculator with
the target position held at the target position holder;

20 a switch of power supply for switching power supply to
the mobile station based on a result of comparison of the
position comparator; and

a power supply controller for controlling switching
operation of the switch of power supply by using the result of
position comparison by the position comparator.

25 7. A mobile station according to any one of claims 1

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through 6, further comprising:

a position calculation controller for controlling a frequency of position calculation by the position calculator in accordance with the result of the position comparison by the position comparator.

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8. A mobile station according to claim 7,

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wherein the position calculation controller executes a control such that the position calculation controller increases a frequency of the position calculation by the position comparator when the result of the position comparison by the position comparator signifies that the current position and the target position are close to each other and executes a control such that the position calculation controller reduces the frequency of the position calculation by the position calculator when the result of the position comparison by the position comparator signifies that the current position and the target position are remote from each other.

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9. A mobile station according to claim 7,

wherein the position calculation controller uses a history of the result of the position comparison by the position comparator and executes the control of increasing the frequency of the position calculation by the position calculator when the mobile station approaches the target position at a high speed and executes the control of reducing the frequency of the position calculation by the position calculator when the mobile

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~~station approaches the target position at a low speed.~~

add
B3